



1743

PTO/SB/21 (08-00)

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Application Number

10/026,980

Filing Date

December 17, 2001

First Named Inventor

David DOLPHIN

Group Art Unit

1743

Examiner Name

To be assigned

Attorney Docket No.

273012010901

ENCLOSURES (check all that apply)

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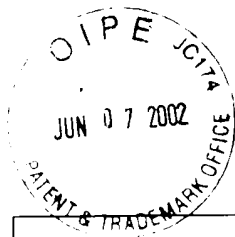
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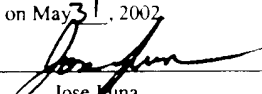
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PATENT
Docket No. 273012010901

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

David DOLPHIN, et al.

Serial No.: 10/026,980

Filing Date: December 17, 2001

For: CHIRAL SEPARATION OF
BENZOPORPHYRIN DERIVATIVE
MONO- AND DI-ACIDS BY LASER-
INDUCED FLUORESCENCE
CAPILLARY ELECTROPHORESIS

Examiner: To be assigned

Group Art Unit: 1743

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**INFORMATION DISCLOSURE
STATEMENT UNDER 37 C.F.R. § 1.97**

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Washington, D.C. 20231

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Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO-1449. Copies of the documents numbered 1, 6-41, and 43-52 were previously submitted in an Information Disclosure Statement and/or Office Action, directed to the related application Serial Number 09/321,893, filed May 28, 1999, now United States Patent Number 6,331,235 and, accordingly, copies are not

included herewith. This protocol conforms with 37 C.F.R. §1.98(d) and M.P.E.P. 609(A)(2).

The Examiner is requested to make these documents of record in the application.

This Information Disclosure Statement is submitted:

- ☐ With the application; accordingly, no fee or separate requirements are required.
- ☒ Within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required.
- ☐ After receipt of a first Office Action on the merits but before mailing of a final Office Action or Notice of Allowance.
 - ☐ A fee is required. A check in the amount of * is enclosed.
 - ☐ A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided below; accordingly; no fee is believed to be due.
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 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided below and a Fee Transmittal form (PTO/SB/17 is attached to this submission in duplicate.

Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

The information contained in this Information Disclosure Statement under 37 C.F.R. § 1.97 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal letter is separated from this document and the Patent Office determines that an extension and/or other relief is required, applicant petitions for any required relief including extensions of time and authorizes the Assistant Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing 273012010901. However, the Assistant Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: May 3, 2002

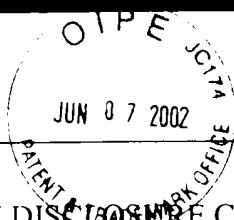
Respectfully submitted,

By: _____



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Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Docket Number 273012010901	Application Number 10/026,980
	Applicant: David DOLPHIN et al.	
	Filing Date December 17, 2001	Group Art Unit 1743
(Use several sheets if necessary)		Mailing Date May 31, 2002

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
	1.	12/15/92	5,171,749	Levy et al.			
	2.	05/1997	5,626,757	Armstrong			

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FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
	3.	05/1992	0485370 ✓	EP			
	4.	06/1993	546916 ✓	EP			
	5.	05/1993	4136462 ✓	Germany			

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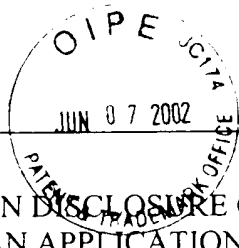
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	6.	Armstrong et al. <i>Derivatized Cyclodextrins Immobilized on Fused-Silica Capillaries for Enantiomeric Separations Via Capillaries for Enantiomeric Separations Via Electrophoresis, Gas Chromatography, or Supercritical Chromatography.</i> ANAL. CHEM. (1993) 65(8):1114-17
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	8.	Beukeveld, G. J. J. et al., <i>Determination Of Porphyrins In Bile Using High Performance Liquid Chromatography And Some Clinical Applications</i> , EUR. J. CLIN. CHEM. CLIN. BIOCHEM. (1994) 32:153-59
	9.	Böeseken, J., <i>The Use Of Boric Acid For The Determination Of The Configuration Of Carbohydrates</i> , ADV. CARBOHYDR. CHEM. (1949) 32:153-59
	10.	Bowser, M. T. et al., <i>Development And Application Of A Nonaqueous Capillary Electrophoresis System For The Analysis Of Porphyrins And Their Oligomers</i>

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	Applicant: David DOLPHIN et al.	
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Examiner Initials	Ref. No.	Title
		(PHOTOFRIN), ANALYTICAL BIOCHEMISTRY (1996) 241:143-50
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	17.	Dixon et al. <i>Capillary Electrophoretic Separation of Cationic Porphyrins</i> , HOURNAL OF CHROMATOGRAPHY A (1998) 802:367-380
	18.	Hjertén, S., <i>Free Zone Electrophoresis</i> , CHROMATOG. REV. (1967) 9:122-219
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	22.	Honda, S. et al., <i>Analysis Of The Oligosaccharides In Ovalbumin By High-Performance Capillary Electrophoresis</i> , ANALYTICAL BIOCHEMISTRY (1990) 191:228-34
	23.	Jamieson, C. H. M. et al., <i>Preferential Uptake Of Benzoporphyrin Derivative By Leukemic</i>

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Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Docket Number 273012010901	Application Number 10/026,980
	Applicant: David DOLPHIN et al.	
	Filing Date December 17, 2001	Group Art Unit 1743V
(Use several sheets if necessary)		Mailing Date May 31, 2002

OTHER DOCUMENTS

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	26.	Landers, J. P. et al., <i>Separation Of Boron-Complexed Diol Compounds Using High-Performance Capillary Electrophoresis</i> , ANAL. CHEM. (1992) 64:2846-51
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	35.	Pietta, P. et al., <i>Influence Of Structure On The Behavior Of Flavonoids In Capillary Electrophoresis</i> , ELECTROPHORESIS (1994) 15:1326-31
	36.	Richter, A. M. et al., <i>Biodistribution Of Tritiated Benzoporphyrin Derivative (³H-BPD-MA)</i> ,

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Sheet 4 of 5

Form PTO-1449

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

Docket Number 273012010901

Application Number 10/026,980

Applicant:

David DOLPHIN et al.

Filing Date December 17, 2001

Group Art Unit 174

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Mailing Date May 31, 2002

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		<i>A New Potent Photosensitizer, In Normal And Tumor-Bearing Mice</i> , J. PHOTOCHEM. PHOTOBIOLOG. B BIOLOGY (1990) 5:231-44
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	44.	Udagawa, M. et al., <i>Determination Of Coproporphyrin I And III Isomers By High-Performance Liquid Chromatography</i> , J. CHROMATOGR. (1982) 233:338-42
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Sheet 5 of 5

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Docket Number 273012010901	Application Number 10/026,980
	Applicant: David DOLPHIN et al.	
	Filing Date December 17, 2001	Group Art Unit 1743
(Use several sheets if necessary)		Mailing Date May 31, 2002

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

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	49.	Woodburn, K. W. et al., <i>Evaluation Of Tumor And Tissue Distribution Of Porphyrins For Use In Photodynamic Therapy</i> , BR. J. CANCER (1992) 65:321-28
	50.	Wu et al. <i>Recent developments in Porphyrin Separations Using Capillary Electrophoresis with Native Fluorescence Detection</i> . JOURNAL OF LIQUID CHROMATOGRAPHY (1994) 1799:1917-1927
	51.	Yao et al. <i>Optimization of Separation of Porphyrins by Micellar Electrokinetic Chromatography Using the Overlapping Resolution Mapping Scheme</i> . JOURNAL OF CHROMATOGRAPHY (1993) 637:195-200
	52.	Yao, Y. J. et al., <i>Determination Of Erythrocyte Porphyrins By Epi-Illumination Fluorescence Microscope With Capillary Electrophoresis</i> , J. LIQ. CHROM. & REL. TECHNOL. (1996) 19(1):1-15

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